

### Mechanical properties:

Tensile strength	ISO 527-2	70 MPa
Elongation at break	ISO 527-2	4%
Tensile modulus	ISO 527-2	3200 MPa
Flexural strength	ISO 178	115 MPa
Flexural modulus	ISO 178	3300 MPa
Impact strength Charpy	ISO 179-1	17 kJ/m <sup>2</sup>
Notched impact strength Charpy	ISO 179-1	2 kJ/m <sup>2</sup>
Ball indentation hardness	ISO 2039-1	235 MPa

### Thermal properties:

Vicat temperature (B 50)	ISO 306	105°C
Specific heat capacity	ISO 11357-4	1.47 J/gK
Linear thermal expansion	DIN 53752	7 K <sup>-1</sup> ·x 10 <sup>-5</sup>
Thermal conductivity	DIN 52612	0.18 W/m*K
Continuous service temperature		70°C
Maximum temperature short-term		90°C
Degradation temperature		>280°C

### Electrical properties:

Surface resistivity	IEC 60093	3x10 <sup>15</sup> - 3x10 <sup>16</sup>
Volume resistivity	IEC 60093	1x10 <sup>13</sup> - 5x10 <sup>13</sup>
Electrical strength	DIN IEC 60243-1	10 kV/mm
Dielectric strength	DIN IEC 60243-1	30 kV/mm
Dielectric dissipation factor 50 Hz / 1 KHz / 1 MHz	DIN 53483-2	0.06 / 0.04 / 0.02
Relative permittivity 50 Hz / 1 KHz / 1 MHz	DIN 53483-2	2.7 / 3.1 / 2.7

### Typical properties:

Forming temperature air pressure		140-160°C
Forming temperature vacuum		160-190°C
Density	ISO1183	1.19 g/cm <sup>3</sup>
Moulding shrinkage		0.5-0.8%
Light transmission (3 mm)	DIN 5036-3 / EN ISO 13468-2	92%
Refractive index	ISO 489	1492 n <sup>D</sup> <sub>20</sub>
Water absorption 24h / 23°C	DIN EN ISO 62 method 1	0.2%

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The figures shown are the data of the sheet manufacturers. Values may differ depending on the production batch. This data sheet is not a guarantee for exact compliance with the values!